Attachment A1



COMMONWEALTH of VIRGINIA

L. Preston Bryant, Jr. Secretary of Natural Resources DEPARTMENT OF ENVIRONMENTAL QUALITY
NORTHERN VIRGINIA REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800 Fax (703) 583-3801
www.deq.virginia.gov

David K. Paylor Director

Jeffery A. Steers Regional Director

February 27, 2007

Mr. Michael Stumpf Group Leader Plant Operations Mirant Potomac River, LLC 1400 North Royal Street Alexandria, VA 22314

Subject:

Request for Information Relative to February 23, 2007, Monitored SO₂ Emissions

Mirant Potomac River Generating Station

DEQ Registration No. 70228

Dear Mr. Stumpf:

In response to the reported February 23, 2007, monitored exceedance of the National Ambient Air Quality Standard (NAAQS) for sulfur oxides (24-hour standard) at the Southeast fence-line monitor at the Potomac River, LLC (Mirant) facility located at 1400 North Royal St., Alexandria, Virginia (Facility Registration No. 70228), the Department of Environmental Quality (DEQ) is requesting that Mirant provide answers to the following questions:

- 1) Did the daily predictive modeling show a modeled NAAQS exceedance? If so, what, if any, preventative measures were taken to minimize SO₂ emissions to avoid a monitored exceedance?
- 2) If maximum reduction of SO₂ was being practiced by the facility at the time of the NAAQS exceedance, would the modeling have still shown a NAAQS exceedance?
- 3) Did an audible alarm sound in the Control Room signifying that an ambient monitor reached 80% of the 24-hour SO₂ NAAQS during any 12 hour period?

Potomac River, LLC February 27, 2007 Page 2 of 3

- 4) During the following six hours, did the facility make any operational adjustments to effect the measured ambient concentration of SO₂?
- 5) How many times has the audible alarm designating 80% of the NAAQS been activated in the last calendar month? Does the facility keep running totals of the amount of times this audible alarm sounds?
- 6) How long can the facility sustain maximum SO₂ reduction with the use of Trona when all five units are running at maximum load?
- 7) What SO₂ emissions reduction rate (percentage) was the facility attempting to meet during the NAAQS exceedance period?
- 8) What was the average Trona injection rate (pounds per hour) for each of the units during the exceedance of the 24-hour NAAQS standard?
- 9) What was the average Trona injection rate (pounds per hour) for each of the units during the 24-hour period prior to the exceedance of the 24-hour NAAQS standard?
- 10) What was the average Trona injection rate (pounds per hour) for each of the units during the 24 hour period following the exceedance of the 24-hour NAAQS standard?
- 11) What equipment modifications, specific to the Trona injection system, have been made in an attempt to eliminate malfunctions with the equipment?
- 12) At the time of the malfunctioning Trona train on Unit 1, could the facility have reduced load on Unit 1 and raised load on the remaining units with properly functioning Trona injection systems in an attempt to reduce total SO₂ emitted from the facility? Would this have reduced overall SO₂ emissions?

Additionally, please provide the following data:

- 1) Records of all quality assurance/quality control (QA/QC) performed on the ambient monitors installed and operated by Mirant.
- 2) Records of all operational parameters (including monitored shelter temperature) for all ambient monitors installed and operated by Mirant.
- 3) Records of load data for all units between February 22, 2007, and February 24, 2007.

Potomac River, LLC February 27, 2007 Page 3 of 3

DEQ requests that you provide the requested data within 48 hours of the close of business of the date of this letter.

Your contact at DEQ in this matter is Justin Wilkinson, Air Compliance Inspector. Please direct written materials to his attention. If you have questions or wish to arrange a meeting, you may reach him directly at (703) 583-3820 or jawilkinson@deq.virginia.gov.

Sincerely,

effery A. Steers

Regional Director - NVRO

cc: David Cramer, Mirant Potomac River, LLC
Facility Air Compliance File - Facility Registration No. 70228

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L. Preston Bryant, Jr.

Secretary of Natural Resources

DEG DIRECTOR'S OFFICE - NURO



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
Street address: 629 East Main Street, Richmond, Virginia 23219

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March 1, 2007

David K. Paylor Director

(804) 698-4000 1-800-592-5482

The Honorable Samuel W. Bodman US Department of Energy 1000 Independence Ave., SW Washington, DC 20585

Mr. Donald S. Welsh, Regional Administrator
US Environmental Protection Agency
1650 Arch Street
Philadelphia, Pennsylvania 19103

Re: Mirant Potomac River Plant

Dear Secretary Bodman and Mr. Welsh:

As you are aware, the Mirant Corporation notified the DEQ that on Friday, February 23, 2007, one of Mirant's ambient monitoring stations located on the southeast corner fence line of the Potomac River Plant recorded an exceedance of the National Ambient Air Quality Standards (NAAQS). Specifically, we understand the monitored levels exceeded the 24-hour SO2 standard by approximately 11 percent. We further understand the Plant at the time was operating all five units at 75 to 100 percent capacity under the DOE Order's Line Outage provision.

Per the Administrative Consent Order (ACO) between EPA and Mirant, the Plant is required to maximize the operation of its pollution control equipment, including the use of Trona, during Line Outage Situations. On February 23, a DEQ inspector was on site as part of our routine regulatory oversight, and documented that one of the two Trona trains feeding Unit 1 was not operational. Furthermore, the company has informed DEQ that its predictive modeling under the ACO did in fact predict that the standard could be exceeded based on the weather forecast for that day; however, the facility was required by the grid operator PJM to follow the load thus necessitating the operation of all five units.

I have very deep concerns regarding this situation. While DEQ understands the regional energy needs and the Potomac River Plant's contribution to the grid during a Line Outage, we expect that EPA will take all measures necessary to ensure that the Plant is indeed operating its pollution control equipment in a manner that minimizes exceedances of the NAAQS, and thereby protects the health of citizens living in the area.

D03

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DKP:ewf Attachment

The Honorable Samuel W. Bodman Mr. Donald Welsh March 1, 2007 Page Two

I am requesting that you investigate the manner in which Mirant was operating on February 23 and determine if any violations of the ACO occurred. The Commonwealth would expect EPA to take all appropriate enforcement actions if the provisions of the Order were violated. I am attaching an information request that DEQ sent to the company relating to this matter in order to determine if any Virginia air quality regulations were violated. Please keep me informed of the results of your review.

Attachment A3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION III 1650 Arch Street Philadelphia, Pennsylvania 19103-2029

28 FEB 2007

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Robert Driscoll Chief Executive Officer Mirant Potomac River L.L.C. 8711 Westphalia Road Upper Marlboro, Maryland 20774

Dear Mr. Driscoll:

The United States Environmental Protection Agency ("EPA") hereby requires Mirant Mid-Atlantic LLC ("Mirant") to provide information as part of an EPA investigation to determine whether or not the Potomac River plant is complying with the requirements of the federal Administrative Compliance Order by Consent dated June 1, 2006, which was issued to Mirant regarding the operation of its Potomac River Generating Station in Alexandria, Virginia.

Pursuant to Section 114(a) of the Clean Air Act ("the Act"), 42 U.S.C. § 7414(a), the Administrator of EPA is authorized to require any person who owns and/or operates an emission source to establish and maintain records, make reports and provide such other information as he may reasonably require for the purposes of determining whether such person is in violation of any provision of the Act, including Section 113 of the Act. In order for EPA to determine whether a violation has occurred, you are hereby required, pursuant to Section 114(a) of the Act, to provide responses to the following questions and requests for information regarding your facility. See Enclosure 1 for instructions and definitions. Therefore, you are hereby required to respond to the questions and requests for information in Enclosure 2 within the time period specified below. All information submitted in response to this request must be certified as true, correct, accurate and complete by an individual with sufficient knowledge and authority to make such representations on behalf of Mirant.

Failure to provide the required information may result in the issuance of an Order requiring compliance with the requirements, or the initiation of a civil action pursuant to Section 113(b) of the Act, 42 U.S.C. § 7413(b). In addition, § 113(c)(2) of the Act provides that any person who knowingly makes any false material statement, representation, or certification in, or omits material information from any document required pursuant to this Act shall upon conviction be punished by a fine pursuant to Title 18 of the United States Code, or by imprisonment for not more than two years, or both. The information you provide may be used by EPA in administrative, civil and criminal proceedings.

You are entitled to assert a business confidentiality claim, covering all or part of the information which this letter requires, except that no such claim can be made with respect to emission data as defined at 40 C.F.R. § 2.301(a)(2). Any such claim should be made in accordance with the procedures described at 40 C.F.R. § 2.203(b). EPA will provide the public with information subject to a claim of business confidentiality only in accordance with the procedures set forth at 40 C.F.R. Part 2, Subpart B. If no claim of business confidentiality is made when submitting the information to EPA, it may be made available to the public with no further notice. The required submission of information pursuant to Section 114 is not subject to the approval requirements of the Paperwork Reduction Act of 1980, 44 U.S.C. Section 3501, et seq.

EPA requires Mirant to submit the information requested in Enclosure (2) no later than ten (10) calendar days after receipt of this letter. EPA requires that Mirant report any changes or revisions to the information supplied within seven (7) days after the change or revision is made. This requirement to provide EPA with changed or revised information shall remain in effect until EPA provides Mirant with written notice of its termination. Please submit your response to this request to:

Mr. Richard Killian, Acting Chief U.S. Environmental Protection Agency Region III Air Enforcement Branch (3AP12) 1650 Arch Street Philadelphia, PA 19103-2029

If you have any questions regarding this information request, please contact Richard Killian of the Air Protection Division, at (215) 814-2159.

Sincerely.

Judith M. Katz, Director Air Protection Division

cc: Michael Dowd, VaDEQ
Terry Darton, VaDEQ
Adam Kushner, Edward Messina, OECA
David Cramer, Mirant

ENCLOSURE 1:

A. INSTRUCTIONS

- 1. Please provide a separate narrative response to each question and subpart of a question set forth in this Information Request and precede each answer with the number of the question to which it corresponds.
- 2. Indicate on each document produced in response to this Information Request, or in some other reasonable manner, the number of the question to which it corresponds.
- 3. Provide as much information possible to completely answer each question. This includes all supporting documentation, such as performance test reports, inspection records, memorandums, facility records, etc. Failure to completely respond to any questions may increase the time necessary to determine compliance with all applicable regulations.
- 4. For each document provided in response to these questions, provide an accurate and legible copy, which can be used to determine the completeness of this request. For any information submitted electronically, clearly label to which question(s) the data is responsive.
- 5. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
- 6. Where documents or information necessary for a response are neither in your possession nor available to you, indicate in your response why such documents or information is not available or in your possession and identify any source that either possesses or is likely to possess such information.

B. <u>DEFINITIONS</u>

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- 1. All terms used in the Information Request will have their ordinary meaning unless such terms are defined in the Act, 42 U.S.C. § 7401 or 40 C.F.R. Part 52 (which incorporates the Federally-approved State Implementation Plan). Reference is made to the EPA regulatory provisions only; however, you should apply the applicable Federally-approved state provisions when appropriate. Definitional clarification for several terms is specified below.
- 2. The terms "document" and "documents" shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hard copy, including any form or format of these. If in computer format or memory, each such document shall be provided in

translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include (a) any copy of each document which is not an exact duplicate of a document which is produced; (b) each copy which has any writing, notation, or the like on it; (c) drafts; (d) attachments to or enclosures with any document; and (e) every other document referred to or incorporated into each document.

- 3. The term "air pollution control device" includes all equipment installed for the purpose of reducing air pollutant emissions and all process equipment that may have been installed for other purposes but has the practical effect of reducing air pollutant emissions.
- 4. The term "stationary source" means any building, structure, facility, or installation which emits or may emit any air pollutant.
- 5. The term "continuous emission monitor" shall mean, for the purpose of this request, the total equipment used to sample, analyze, and provide a permanent record of emissions or process parameters.
- 6. The term "facility" means all contiguous or adjoining property that is under common ownership or control, including properties that are separated only by a road or other public right-of-way.

ENCLOSURE 2:

- 1. As required by paragraph IV. C. of the Administrative Compliance Order by Consent (ACO) for the Potomac River plant, filed June 1, 2006, Mirant is to take all reasonable steps to limit the emissions of SO₂ from each boiler, including optimizing its use of trona injection. In the same paragraph of the ACO, during Line Outage Situations, Mirant is required to achieve an 80% reduction of SO₂ emissions, unless Mirant demonstrates by predictive modeling that an 80% SO₂ emission reduction is not necessary to achieve compliance with the NAAQS, or that an 80% SO₂ emission reduction is not logistically feasible. For each engineered trona injection system ("trona injection system"), which was installed to comply with the requirements of the ACO, identify and/or provide the following:
- a. Provide a narrative description of each trona injection system, that has been installed on all five coal-fired boilers at the Potomac River plant.
 - b. Provide detailed schematics of each of the trona injection systems.
- c. Identify the sulfur dioxide removal efficiency that each trona injection system was designed to achieve.
- d. Identify the maximum daily SO₂ removal efficiency that has been achieved by each trona injection system since the trona injection systems were placed into operation.
- e. During each Line Outage Situation, as defined in the ACO, identify the daily SO₂ removal efficiency that was achieved by each trona injection system for each boiler unit, and provide the underlying SO₂ continuous emission monitor (CEMS) data that was utilized to determine the SO₂ removal efficiency.
- f. For any Line Outage Situation, for which Mirant has had thirty (30) days or more advance notice, and for which Mirant determined that an 80% reduction of actual SO₂ emissions was not logistically feasible, submit any contemporaneous, or after the fact, analysis that a daily 80% SO₂ removal efficiency was not feasible.
- g. Paragraph IV. C. 2. of the AOC specifies that malfunctions of the emission control devices, such as the trona injection systems, shall not be deemed to be a failure to limit emissions during a line outage, provided that Mirant has made reasonable efforts to avoid the malfunction and to promptly correct the malfunction. Whenever a daily 80% SO₂ removal efficiency was not achieved at any boiler unit during a Line Outage Situation, if it was determined by Mirant that a malfunction had occurred, describe what actions were taken to correct, and prevent future malfunctions, to enable the trona injection system to achieve an 80% SO₂ removal efficiency.
- h. Where a physical constraint (i.e., maintenance issue) was determined to preclude the ability of the trona injection system to achieve an 80% SO₂ emission removal efficiency,

describe any analysis that was conducted to determine what actions were necessary, including maintenance or a modification of the affected trona injection system, to enable the trona injection systems to achieve a daily 80% SO₂ removal efficiency.

i. Specify the actions taken, or currently planned, by Mirant to upgrade, maintain or modify the trona injection systems, in order to continuously achieve a daily 80% SO₂ removal efficiency at each boiler unit during a Line Outage Situation.

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Attachment A4

Mirant Potomac River, LLC 1400 North Royal St., Alexandria, VA 22314 T 703-838-3773 F 703-838-8272 U www.mirant.com

March 1, 2007

Justin Wilkinson Air Compliance Inspector Virginia Department of Environmental Quality Northern Regional Office 13901 Crown Court Woodbridge, VA 22193



RE: DEQ SO2 Emissions Information Request Letter of February 27, 2007

Dear Mr. Wilkinson:

This letter responds to the Department of Environmental Quality (VADEQ) letter dated February 27, 2007 regarding SO2 emissions from the Potomac River Generating Station (the "Plant") on February 23, 2007. As you are aware, Mirant Potomac River, L.L.C. (Mirant) is operating under an EPA Administrative Compliance Order (ACO) dated June 1, 2006 and a Department of Energy (DOE) Order 202-05-02.

Beginning on February 19th and continuing through March 6th, operations at the Plant are governed by Section IV.C of the ACO, 'Operations During Line Outage Situations'. A scheduled PEPCO outage is underway, and Mirant is following direction from PJM, in accordance with DOE Order 202-05-02, to ensure reliability of electricity supply into central Washington DC.

Should you have any questions regarding the information contained in this letter, please contact me at 703-838-3773 or by email: mike.stumpf@mirant.com.

Sincerely,

Michael Stumpf Plant Manager Potomac River Generating Station

Responses to VA DEQ Letter of 2/27/07

Re: 2/23/07 SO2 Monitored Exceedance

1. Did the daily predictive modeling show a modeled NAAQS exceedance? If so, what, if any, preventative measures were taken to minimize SO2 emissions to avoid a monitored exceedance?

Yes, the daily modeling predicted a modeled NAAQS exceedance for the 24 hr SO2 standard on 2/23/07. As the PEPCo lines were out of service, the plant was obligated to run pursuant to the DOE Order dated December 20, 2005, as amended. There was no compliant predictive model scenario at any SO2 emission rate on that day, as the plant was required by PJM to run Configuration G3 (Units 1-5 @ maximum load 24 hour per day) to meet the load demand. The plant was using as much Trona as possible under the circumstances to reduce the SO2 emissions and maintain the ability to comply with the DOE order. As explained below there are physical and operational limitations to the amount of Trona that can be used. However, the plant did experience a limited malfunction of the Trona system on February 22 and 23.

2. If maximum reduction of SO2 was being practiced by the facility at the time of the NAAQS exceedance, would the modeling have still shown a NAAQS exceedance?

The modeling would still have predicted a NAAQS exceedance at any SO2 removal rate that the plant is capable of achieving when operating all five units in the load range that was required on February 23.

3. Did an audible alarm sound in the Control Room signifying that an ambient monitor reached 80% of the 24-hour SO2 NAAQS during any 12 hour period?

Yes, the facility's Central Control Room did receive an audible alarm at 2000 hrs on 2/22/07 signifying that 80% of the 24-hour SO2 NAAQS had been reached at the Southeast monitor.

4. During the following six hours, did the facility make any operational adjustments to affect the measured ambient concentration of SO2?

The Facility was "matching" a 352 mw load as directed by PJM and ordered by DOE when the alarm sounded. Over the next six hours this load matching requirement decreased to 267 MWs as directed by PJM but not in response to the alarms or ambient air quality measurements. During this period, individual unit outputs were lowered, starting with Unit 1 and 2. Within 1 hour Unit 1's output was lowered from 50 MWs to a minimum load of 35 MWs and Unit 2's output was lowered from 60 MWs to 35 MWs after 3 hours. Unit 3's output was lowered from 85 MWs to 55 MWs after 5 hours leaving Units 4 and 5 to satisfy the majority of the load matching requirement. This was the allocation of load that minimized emissions.

5. How many times has the audible alarm designating 80% of the NAAQS been activated in the last calendar month?

No alarms have been activated prior to February 22, 2007 due to a measurement equal to 80% or more of the NAAQS.

6. Does the facility keep running totals of the amount of times this audible alarm sounds?

Yes.

7. How long can the facility sustain maximum SO2 reduction with the use of Trona when all five units are running at maximum load?

There is no single "maximum SO2 reduction," as it is dependent on a number of operating variables. The variables that affect the removal rate include: (1) how long the plant needs to operate at full capacity; (2) the status of various pieces of equipment (e.g., pluggage rate of filters and wear rate of the valves); (3) ambient temperature; and (4) ability to remove ash from the precipitator hoppers and the plant ash silos. These are discussed in greater detail below. As a rule of thumb, the higher the SO2 removal, the shorter the period of time it can be sustained. The variables described above vary from unit to unit and day to day.

Besides the current "load matching" period, the only other experience that facility has had with extended operation of five units and Trona injection was in December 2006. From these two experiences, we have learned that there are some operating limitations.

8. What SO2 emissions reduction rate (percentage) was the facility attempting to meet during the NAAQS exceedance period?

On 2/23/07, the plant was using as much Trona as possible under the circumstances to reduce the SO2 emissions and maintain the ability to comply with the DOE order.

9. What was the average Trona injection rate (pounds per hour) for each of the units during the exceedance of the 24-hour NAAQS standard?

See chart below.

What was the average Trona injection rate (pounds per hour) for each of the units during the 24 hour period prior to the exceedance of the NAAQS standard?

See chart below.

What was the average Trona injection rate (pounds per hour) for each of the units during the 24 hour period following to the exceedance of the NAAQS standard?

	Average Hourly Trona Injection Rates - lb/hr													
Date	Unit #1	Unit #2	Unit #3	Unit #4	Unit #5	Plant Avg								
2/22/07	1,215	2,193	3,338	3,915	2,254	12,915								
2/23/07	1,756	3,171	4,412	4,920	3,578	17,837								
2/24/07	2,127	3,266	4,265	4,880	3,798	18,336								

	24 Hour Average SO2 Emission Rates – lb/MBtu												
Date	Unit #1	Unit #2	Unit #3	Unit #4	Unit #5	Plant Avg							
2/22/07	0.61	0.48	0.50	0.47	0.58	0.53							
2/23/07	0.50	0.35	0.38	0.40	0.50	0.42							
2/24/07	0.36	0.27	0.39	0.39	0.47	0.39							

12. What equipment modifications, specific to the Trona injection system, have been made in an attempt to eliminate malfunctions with the equipment?

Contracts for two Trona injection system modifications have been awarded and installation of both modifications is expected on Units 3, 4 and 5 by 3/30/07 and on Units 1 and 2 by 4/30/07. The first modification involves replacing the originally designed ambient-pressure Trona silo baghouse filter with a negative-pressure baghouse filter. This modification was done on Unit 5 in January 2007 and has been successful at eliminating vent filter pluggage and the resultant trona flow interruption. The second modification involves replacing the lower trona feed equipment (screw feeder and lower rotary air lock) with two erosion-resistant rotary feed valves. Other users of this new feed valve have reported exceptional performance and it is hoped that the modification eliminates the wear and sealing problems that exists with the present valves.

13. At the time of the malfunctioning Trona train on Unit 1, could the facility have reduced load on Unit 1 and raised load on the remaining units with properly functioning Trona injection systems in an attempt to reduce total SO2 emitted from the facility? Would this have reduced overall SO2 emissions?

The "load matching" requirement on 2/23/07 necessitated all five units to be operating near full load. Control room operating personnel routinely move load to better performing units to minimize emissions and that was also the case on 2/23/07. From the beginning of 2/23/07, Units 4 and 5 were operated near 70 MWs and Unit 3 was operated at 57 MWs to allow Units 1 and 2 to remain at 35 MWs (minimum load) as long as possible. Both Units 1 and 2 stayed at 35 MWs until 0530 hours when the load demand required both to increase capacity. Both Units 1 & 2 were increased together to satisfy the rate of load increase and both reached 80 MWs at 0930 hours, staying at that level until 1420 hours when they were both lowered to 65 MWs. The first opportunity to significantly reduce output on Unit 1 occurred shortly at 1900 hours when the unit's output was lowered to 35 MWs.

Since Unit 1 was operated at the lowest level possible during the time of the malfunctioning Trona train, there was no additional opportunity to reduce overall SO2 emissions.

14. Records of all quality assurance/quality control (QA/QC) performed on the ambient monitors installed and operated by Mirant.

Ambient monitor QA/QC records are attached to this letter. These activities include daily automated monitor checks, weekly site visits by a technician, and full calibrations every other week. In addition, during the week of February 12-15 ENSR QA staff conducted a performance audit of the ambient SO2 analyzers in Mirant's monitoring network and the Marina Towers PM2.5 particulate sampler. The audit was conducted using calibration standards completely separate from those used for routine calibrations and operation purposes. A standards comparison of the network calibrator was also conducted.

Each continuous SO2 analyzer passed the audit criteria. The audit results were recorded on special forms to show the challenge concentration, the analyzer response and the percent difference between each audit point and the analyzer response. The audit forms for each continuous analyzer are attached below.

The periodic particulate sampler (PM 2.5) was audited using a calibration flow, temperature and pressure standard. Accuracy was reported as the percent difference between the audit device and sample component for temperature, pressure and flow. The particulate sampler results were within the audit criteria. A copy of the field data form is also attached below. The audit report is not yet complete.

15. Records of all operation parameters (including monitored shelter temperature) for all ambient monitors installed and operated by Mirant.

See attached pages. In addition, an aerial photo is being submitted to illustrate the location of predicted maximum SO2 as determined by follow-up modeling, using actual weather data and actual plant emissions. The photo also shows the location of predicted maximum SO2 if the stack merge had been in place on February 23rd. The predicted concentration with the stack merge is significantly below the 24-hour NAAQS standard.

16. Records of load data for all units between February 22, 2007 and February 24, 2007.

See attached pages.

Potomac River Plant Data - Generation February 22, 2007

Date / Hour	Unit 1 MW	Unit 2 MW	Unit 3 MW	Unit 4 MW	Unit 5 MW	Plant Total MW
2/22/2007 0:00	35.6	35.5	58.2	73.2	66.6	
2/22/2007 1:00	35.5	35.6	56.6	70.7	61.9	
2/22/2007 2:00	35.6	35.1	56.1	69.9	58.9	255.6
2/22/2007 3:00	35.6	34.9	56.0	69.9	59.0	
2/22/2007 4:00	35.6	35.0	59.6	69.9	59.0	
2/22/2007 5:00	35.6	35.1	70.0	73.0	69.1	282.9
2/22/2007 6:00	35.7	35.3	98.3	88.0	76.0	
2/22/2007 7:00	35.6	45.9	99.8	95.4	92.2	369.0
2/22/2007 8:00	35.9	67.8	100.0	95.1	94.0	
2/22/2007 9:00	48.7	69.6	100.1	95.0	95.0	408.3
2/22/2007 10:00	60.3	69.6	94.8	93.6	92.1	410.4
2/22/2007 11:00	69.5	70.0	91.5	92.6	84.5	408.1
2/22/2007 12:00	69.6	69.7	91.1	98.7	80.0	409.3
2/22/2007 13:00	69.9	69.9	91.2	99.0	80.0	409.9
2/22/2007 14:00	82.5	69.9	85.0	92.7	80.0	410.1
2/22/2007 15:00	97.3	69.7	76.8	79.9	80.0	403.7
2/22/2007 16:00	96.5	69.9	75.4	77.6	80.0	399.5
2/22/2007 17:00	77.3	69.4	85.3	86.9	79.9	398.8
2/22/2007 18:00	70.2	64.0	85.0	86.9	80.0	386.1
2/22/2007 19:00	60.5	55.7	85.0	81.2	79.7	362.2
2/22/2007 20:00	56.2	40.2	84.9	81.0	71.0	333.3
2/22/2007 21:00	51.8	35.5	84.9	76.1	69.9	318.2
2/22/2007 22:00	41.5	35.5	84.1	75.1	70.0	306.1
2/22/2007 23:00	36.4	35.7	72.5	74.7	70.0	289.2
Average MW Load	54.5	52.3	80.9	83.2	76.2	347.1
Total MWh	1308.8	1254.3	1942.4	1996.2	1828.8	8330.5

Potomac River Plant Data - Generation February 23, 2007

rebluary 23, A	2007					
Date / Hour	Unit 1 MW	Unit 2 MW	Unit 3 MW	Unit 4 MW	Unit 5 MW	Plant Total MW
2/23/2007 0:00	35.5	35.6	62.9	73.2	70.0	
2/23/2007 1:00	35.7	35.5	58.1	72.9	66.5	
2/23/2007 2:00	35.7	35.4	57.6	73.0	66.0	
2/23/2007 3:00	35.7	35.3	57.6	73.0	66.0	267.5
2/23/2007 4:00	35.5	35.3	63.9	72.9	66.0	
2/23/2007 5:00	36.9	36.7	75.2	79.8	72.3	300.9
2/23/2007 6:00	53.2	53.1	84.5	79.3	76.1	346.1
2/23/2007 7:00	60.1	60.2	90.7	80.1	80.6	371.8
2/23/2007 8:00	71.2	70.9	94.9	79.9	88.5	405.5
2/23/2007 9:00	74.6	74.2	95.9	84.5	90.0	419.2
2/23/2007 10:00	75.5	75.3	95.9	94.6	90.0	431.3
2/23/2007 11:00	75.4	75.6	94.0	93.5	90.0	428.5
2/23/2007 12:00	75.8	76.0	90.0	89.9	90.0	421.6
2/23/2007 13:00	76.0	75.9	89.9	90.0	90.0	421.8
2/23/2007 14:00	72.5	72.6	89.9	89.9	89.2	414.2
2/23/2007 15:00	65.6	65.8	90.0	89.9	90.0	401.3
2/23/2007 16:00	65.4	65.4	89.9	90.0	90.0	400.8
2/23/2007 17:00	65.3	65.3	90.8	90.8	89.9	402.1
2/23/2007 18:00	63.6	63.6	85.9	87.4	88.1	388.5
2/23/2007 19:00	48.7	57.1	85.4	88.1	83.4	362.6
2/23/2007 20:00	35.7	55.4	78.5	87.3	83.0	339.9
2/23/2007 21:00	35.5	55.3	74.9	80.0	78.5	324.2
2/23/2007 22:00	35.5	39.8	78.4	78.2	76.6	308.5
2/23/2007 23:00	35.3	35.4	74.7	75.7	75.2	296.4
verage MW Load	54.2	56.3	81.2	83.1	81.1	355.8
Total MWh	1299.6	1350.7	1949.6	1993.8	1945.9	8539.7

Potomac River Plant Data - Generation February 24, 2007

			11	11.74.4.88184		
Date / Hour	Unit 1 MW	Unit 2 MW	Unit 3 MW	Unit 4 MW	Unit 5 MW	Plant Total MW
2/24/2007 0:00	35.5	35.8	72.0	70.5	72.9	
2/24/2007 1:00	35.2	35.7	72.7	69.1	70.9	
2/24/2007 2:00	35.2	35.5	70.4	67.2	71.1	1
2/24/2007 3:00	35.2	35.4	69.9	66.9	71.0	
2/24/2007 4:00	35.4	35.4	70.3	66.9	71.0	
2/24/2007 5:00	35.2	35.2	74.7	68.6	71.3	
2/24/2007 6:00	35.3	34.9	77.2	73.5	72.0	
2/24/2007 7:00	35.3	35.0	83.2	78.0	72.0	
2/24/2007 8:00	35.1	35.1	90.6	89.2	78.8	
2/24/2007 9:00	35.0	35.0	90.2	89.9	86.4	336.5
2/24/2007 10:00	34.9	34.7	90.0	90.0	90.1	339.7
2/24/2007 11:00	35.6	34.8	90.0	90.1	90.0	340.5
2/24/2007 12:00	35.5	35.0	89.0	89.2	89.4	338.1
2/24/2007 13:00	34.9	35.0	85.9	86.9	88.0	330.8
2/24/2007 14:00	34.9	34.9	83.1	83.4	85.9	322.2
2/24/2007 15:00	34.7	35.1	80.5	80.5	86.0	316.8
2/24/2007 16:00	34.9	34.9	80.0	79.6	85.5	314.9
2/24/2007 17:00	35.1	34.8	80.0	77.9	82.1	310.0
2/24/2007 18:00	35.1	34.9	81.8	77.5	82.0	311.2
2/24/2007 19:00	35.2	34.9	76.8	76.9	82.0	305.8
2/24/2007 20:00	33.0	34.9	74.4	76.1	81.4	299.9
2/24/2007 21:00	34.7	35.0	74.1	74.8	80.0	298.6
2/24/2007 22:00	34.7	35.0	71.2	73.9	78.5	293.2
2/24/2007 23:00	34.7	34.8	70.2	70.7	74.0	284.3
Average MW Load	35.0	35.1	79.1	77.8	79.7	306.6
Total MWh	840.2	841.8	1897.9	1867.2	1912.1	7359.3

Potomac River Plant Data - Trona Flow February 22, 2007

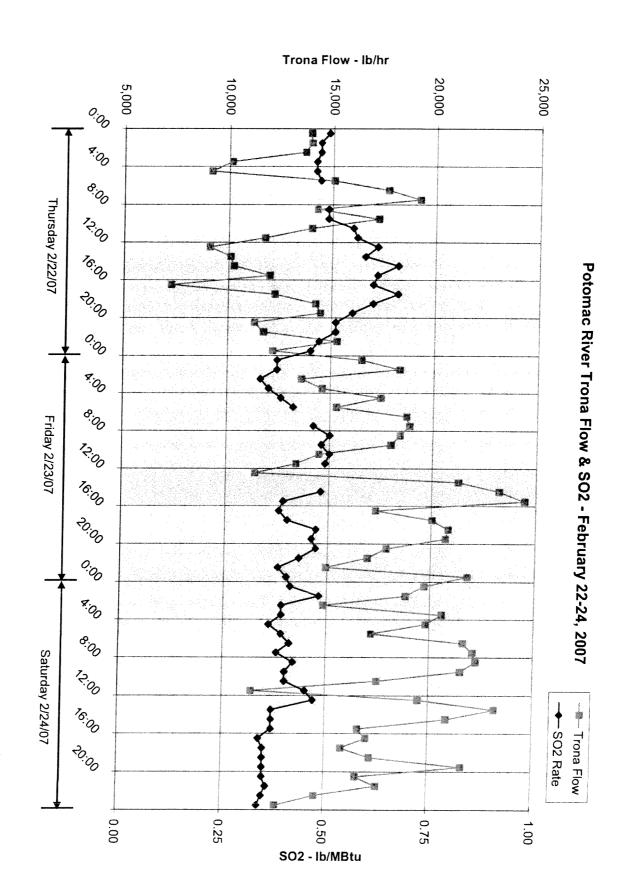
rebluary 22,						
	Unit #1 Trona	Unit #2 Trona	Unit #3 Trona	Unit #4 Trona		PLANT TOTAL
Date / Hour	Flow lb/hr	Flow lb/hr	Flow lb/hr	Flow lb/hr	Flow lb/hr	Trona Flow
2/22/2007 0:00	1,588	1,980	3,235	4,467	2,646	13,917
2/22/2007 1:00	1,867	1,889	2,985	4,433	2,769	13,943
2/22/2007 2:00	1,775	1,891	3,021	4,221	2,735	13,643
2/22/2007 3:00		1,886	3,052	1,683	1,730	10,132
2/22/2007 4:00	1,294	818	1,968	2,803	2,272	9,155
2/22/2007 5:00	1,788	1,869	3,963	4,650	2,781	15,050
2/22/2007 6:00	1,277	1,954	5,320	6,297	2,843	17,692
2/22/2007 7:00	1,508	2,234	4,958	6,906	3,605	19,212
2/22/2007 8:00	1,132	2,391	3,584	3,886	3,263	14,255
2/22/2007 9:00	1,777	2,915	4,856	4,963	2,712	17,225
2/22/2007 10:00	512	1,603	4,555	4,928	2,388	13,987
2/22/2007 11:00	992	2,801	4,470	2,664	807	11,735
2/22/2007 12:00	696	2,869	2,222	1,642	1,652	9,082
2/22/2007 13:00	352	1,253	3,242	4,244	1,002	10,093
2/22/2007 14:00	123	2,963	1,663	4,189	1,318	10,256
2/22/2007 15:00	1,103	3,073	3,451	2,957	1,405	11,989
2/22/2007 16:00	256	1,741	2,010	2,270	986	7,261
2/22/2007 17:00	31	2,978	3,390	4,578	1,263	12,240
2/22/2007 18:00	1,547	3,097	3,575	4,459	1,529	14,207
2/22/2007 19:00	1,418	2,998	3,787	4,222	2,023	14,447
2/22/2007 20:00	1,339	2,366	3,404	1,967	2,192	11,269
2/22/2007 21:00	1,336	1,282	2,150	3,541	3,396	11,705
2/22/2007 22:00	2,089	1,828	3,303	4,172	3,892	15,283
2/22/2007 23:00	1,575	1,954	1,955	3,808	2,880	12,173
Average lb/hr	1,215	2,193	3,338	3,915	2,254	12,915
Total lb/day	29,156	52,635	80,119	93,951	54,091	309,951

Potomac River Plant Data - Trona Flow February 23, 2007

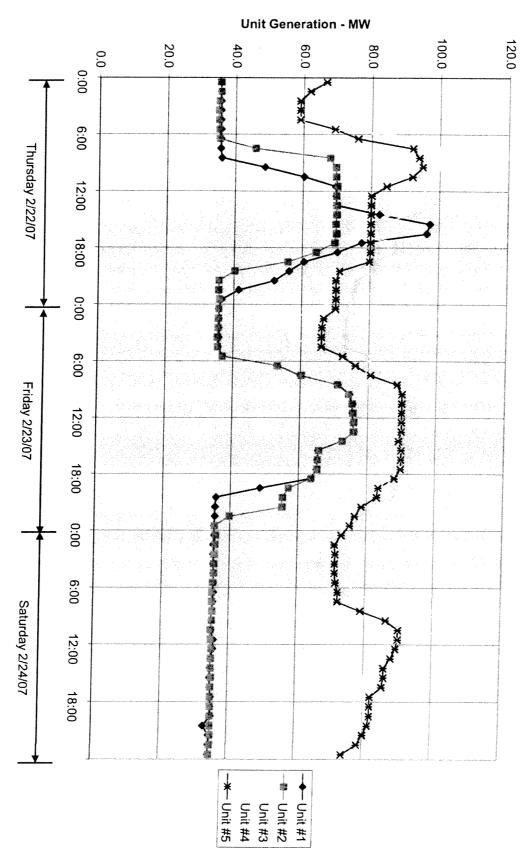
	Ilmia #4 Tanna	11-4 40 T	11.11.40			
		Unit #2 Trona		Unit #4 Trona	Unit #5 Trona	PLANT TOTAL
Date / Hour	Flow lb/hr	Flow lb/hr	Flow lb/hr	Flow lb/hr	Flow lb/hr	Trona Flow
2/23/2007 0:00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,070	3,433	6,807	3,012	16,490
2/23/2007 1:00		2,095	5,100	5,787	3,133	18,335
2/23/2007 2:00		1,647	2,442	4,349	3,397	13,578
2/23/2007 3:00	,	2,801	4,187	3,775	1,650	14,593
2/23/2007 4:00	,,,-,	2,471	4,632	5,533	3,353	17,453
2/23/2007 5:00	.,	2,230	4,221	4,599	3,076	15,303
2/23/2007 6:00	.,	2,811	5,497	5,447	3,514	18,697
2/23/2007 7:00	.,	2,808	5,834	5,419	3,375	18,853
2/23/2007 8:00	.,	2,838	5,207	5,282	3,917	18,402
2/23/2007 9:00	2,466	3,561	3,688	5,343	2,910	17,968
2/23/2007 10:00	1,408	4,562	3,738	2,527	2,258	14,494
2/23/2007 11:00	224	4,126	1,069	4,079	3,882	13,380
2/23/2007 12:00	575	1,446	2,402	3,557	3,418	11,397
2/23/2007 13:00	1,394	3,192	6,033	5,733	4,896	21,248
2/23/2007 14:00	2,936	3,373	6,129	5,782	5,015	23,235
2/23/2007 15:00	3,966	4,515	6,229	5,867	3,878	24,455
2/23/2007 16:00	3,060	3,165	3,258	3,931	3,869	17,283
2/23/2007 17:00	2,122	4,324	5,003	4,811	3,760	20,020
2/23/2007 18:00	1,581	4,400	5,050	5,773	4,004	20,808
2/23/2007 19:00	1,261	4,303	5,381	5,696	4,041	20,682
2/23/2007 20:00	458	4,090	5,536	5,184	2,559	17,827
2/23/2007 21:00	2,965	3,612	2,459	3,358	4,520	16,915
2/23/2007 22:00	1,731	2,075	4,129	3,638	3,337	14,911
2/23/2007 23:00	2,031	3,596	5,232	5,807	5,094	21,760
Average lb/hr	1,756	3,171	4,412	4,920	3,578	17,837
Total lb/day	42,133	76,112	105,889	118,086	85,868	428,088

Potomac River Plant Data - Trona Flow February 24, 2007

	Unit #1 Trona l	Jnit #2 Trona	Unit #3 Trona	Unit #4 Trona	Unit #5 Trona	PLANT TOTAL
Date / Hour	Flow lb/hr	Flow lb/hr	Flow lb/hr	Flow lb/hr	Flow lb/hr	Trona Flow
2/24/2007 0:00	2,058	3,687	3,955	5,836	4,140	19,676
2/24/2007 1:00	1,216	3,726	3,672	5,927	4,257	18,797
2/24/2007 2:00	2,038	2,905	2,585	3,703	3,602	14,833
2/24/2007 3:00	2,840	3,190	5,191	5,192	4,148	20,562
2/24/2007 4:00	2,032	3,069	4,027	5,549	5,122	19,799
2/24/2007 5:00	3,061	3,663	3,944	3,735	2,757	17,160
2/24/2007 6:00	2,108	3,682	5,307	5,871	4,638	21,606
2/24/2007 7:00	2,023	3,641	5,430	5,943	5,037	22,073
2/24/2007 8:00	2,547	3,603	5,292	5,985	4,813	22,239
2/24/2007 9:00	2,146	3,572	5,853	5,825	4,104	21,500
2/24/2007 10:00	2,137	2,388	4,449	5,815	2,685	17,474
2/24/2007 11:00	1,898	2,469	3,847	1,748	1,431	11,393
2/24/2007 12:00	1,472	3,590	4,475	6,021	3,928	19,486
2/24/2007 13:00	2,597	3,597	6,049	5,846	5,074	23,162
2/24/2007 14:00	2,526	3,598	6,233	5,802	2,694	20,853
2/24/2007 15:00	2,519	3,590	1,720	5,728	3,025	16,581
2/24/2007 16:00	2,452	3,554	6,221	2,674	2,103	17,004
2/24/2007 17:00	1,656	1,459	5,312	3,081	4,291	15,799
2/24/2007 18:00	1,926	3,483	2,766	5,251	3,774	17,199
2/24/2007 19:00	2,494	3,548	5,117	5,657	4,796	21,613
2/24/2007 20:00	2,483	3,543	4,134	3,751	2,606	16,517
2/24/2007 21:00	1,718	3,522	2,674	4,732	4,897	17,542
2/24/2007 22:00	1,313	3,490	2,010	3,459	4,280	14,552
2/24/2007 23:00	1,786	1,817	2,104	3,986	2,961	12,653
Average lb/hr	2,127	3,266	4,265	4,880	3,798	18,336
Total lb/day	51,043	78,385	102,367	117,116	91,162	440,073



Potomac River Unit MW - February 22-24, 2007



Average Values Report Generated: 2/28/2007 11:11

Company: Mirant Potomac River, LLC Plant: 1400 North Royal Street City/St: Alexandria, VA 22314-1199

Source: STACK_1, STACK_2, STACK_3, STACK_4, STACK_5

Period Start: 2/22/2007 00:00 Period End: 2/24/2007 23:59 Validation Type: 40CFR75 Subpart B Averaging Period: 1 hr

Type: Block Avg

Period Start:	Average C1_SO2MM #/Btu	Average C2_SO2MM #/Btu	Average C3_SO2MM #/Btu	Average C4_SO2MM #/Btu	Average C5_SO2MM #/Btu	Average C15_SO2MM #mmBtu
02/22/2007 00:00	0.47	0.49	0.49	0.49	0.52	0.49
02/22/2007 01:00	0.43	0.49	0.48	0.47	0.48	0.47
02/22/2007 02:00	0.41	0.49	0.48	0.47	0.50	0.47
02/22/2007 03:00	0.41	0.49	0.47	0.47	0.48	0.46
02/22/2007 04:00	0.40	0.49	0.47	0.47	0.47	0.46
02/22/2007 05:00	0.41	0.49	0.47	0.47	0.50	0.47
02/22/2007 06:00	0.47	0.49	0.48	N/A	0.54	N/A
02/22/2007 07:00	0.51	0.47	0.48	N/A	0.54	N/A
02/22/2007 08:00	0.52	0.48	0.47	0.39	0.52	0.49
02/22/2007 09:00	0.45	0.49	0.48	0.47	0.58	0.49
02/22/2007 10:00	0.68	0.54	0.47	0.47	0.62	0.55
02/22/2007 11:00	0.76	0.49	0.47	0.47	0.63	0.56
02/22/2007 12:00	0.94	0.49	0.48	0.49	0.64	0.61
02/22/2007 13:00	0.81	0.49	0.47	0.46	0.73	0.58
02/22/2007 14:00	0.97	0.49	0.63	0.47	0.73	0.66
02/22/2007 15:00	0.74	0.49	0.57	0.47	0.73	0.61
02/22/2007 16:00	0.74	0.49	0.50	0.47	0.73	0.60
02/22/2007 17:00	0.96	0.49	0.53	0.47	0.77	0.66
02/22/2007 18:00	0.78	0.47	0.52	0.47	0.73	0.60
02/22/2007 19:00	0.61	0.43	0.51	0.47	0.72	0.55
02/22/2007 20:00	0.64	0.41	0.50	0.47	0.52	0.51
02/22/2007 21:00	0.62	0.45	0.52	0.47	0.45	0.51
02/22/2007 22:00	0.43	0.48	0.53	0.47	0.42	0.47
02/22/2007 23:00	0.43	0.47	0.47	0.47	0.40	0.45
Daily Average*	0.61	0.48	0.50	0.47	0.58	0.53
Maximum*	0.97	0.54	0.63	0.49	0.77	0.66
	02/22/2007	02/22/2007	02/22/2007	02/22/2007	02/22/2007	02/22/2007
	14:00	10:00	14:00	12:00	17:00	17:00
Minimum*	0.40	0.41	0.47	0.39	0.40	0.45
	02/22/2007	02/22/2007	02/22/2007	02/22/2007	02/22/2007	02/22/2007
	4:00	20:00	23:00	8:00	23:00	23:00

^{*} Does not include Invalid Averaging Periods ("N/A")

Average Values Report Generated: 2/28/2007 11:11

Company: Mirant Potomac River, LLC
Plant: 1400 North Royal Street
City/St: Alexandria, VA 22314-1199
Source: STACK_1, STACK_2, STACK_3, STACK_4, STACK_5

Period Start: 2/22/2007 00:00 Period End: 2/24/2007 23:59 Validation Type: 40CFR75 Subpart B
Averaging Period: 1 hr
Type: Block Avg

Period Start:	Average C1_SO2MM #/Btu	Average C2_SO2MM #/Btu	Average C3_SO2MM #/Btu	Average C4_SO2MM	Average C5_SO2MM	Average C15_SO2MM
02/23/2007 00:00	0.51	0.35		#/Btu	#/Btu	#mmBtu
02/23/2007 01:00	0.45	0.49	0.38		0.50	0.37
02/23/2007 02:00	0.31	0.35	0.31		0.39	0.37
02/23/2007 03:00	0.31	0.33	0.26		0.47	0.33
02/23/2007 04:00	0.47	0.32	0.26		0.52	0.35
02/23/2007 05:00	0.52	0.32	0.27	0.35	0.47	0.38
02/23/2007 06:00	0.56	0.38	0.39	0.37	0.49	0.41
02/23/2007 07:00	0.62	0.40	0.34	N/A	0.52	N/A
02/23/2007 08:00	0.74	0.43	0.36	0.41	0.53	0.46
02/23/2007 09:00	0.59	0.43	0.41	0.40	0.56	0.50
02/23/2007 10:00	0.67	0.32	0.41	0.40	0.56	0.48
02/23/2007 11:00	0.75	0.34	0.43	0.45	0.52	0.50
02/23/2007 12:00	N/A	N/A	0.43	0.48	0.47	0.49
02/23/2007 13:00	N/A	N/A	0.44	0.46	0.47	N/A
02/23/2007 14:00	0.59	0.52	0.44	0.45	0.48	N/A
02/23/2007 15:00	0.31	0.34	0.37	0.44	0.47	0.48
02/23/2007 16:00	0.29	0.34	0.35	0.44	0.48	0.39
02/23/2007 17:00	0.29	0.34	0.35	0.45	0.48	0.38
02/23/2007 18:00	0.58	0.34	0.37	0.47	0.52	0.40
02/23/2007 19:00	0.60	0.31	0.42	0.45	0.56	0.47
02/23/2007 20:00	0.71	0.30	0.43	0.46	0.55	0.46
02/23/2007 21:00	0.46	0.30	0.41	0.46	0.55	0.47
02/23/2007 22:00	0.32	0.26	0.41	0.43	0.60	0.43
02/23/2007 23:00	0.42	0.26	0.41	0.44	0.44	0.38
Daily Average*	0.50	0.35	0.38	0.44	0.44	0.40
Maximum*	0.75	0.52	0.60	0.48	0.50	0.42
	02/23/2007	02/23/2007	02/23/2007	02/23/2007	0.60	0.50
	11:00	14:00	10:00	11:00	02/23/2007	02/23/2007
Minimum*	0.29	0.26	0.26	0.23	21:00	10:00
	02/23/2007	02/23/2007	02/23/2007	02/23/2007	0.38	0.33
	17:00	23:00	3:00	1:00	02/23/2007	02/23/2007
			3.00	1:00	0:00	2:00

^{*} Does not include Invalid Averaging Periods ("N/A")

Average Values Report Generated: 2/28/2007 11:11

Company: Mirant Potomac River, LLC Plant: 1400 North Royal Street City/St: Alexandria, VA 22314-1199

Source: STACK_1, STACK_2, STACK_3, STACK_4, STACK_5

Period Start: 2/22/2007 00:00 Period End: 2/24/2007 23:59 Validation Type: 40CFR75 Subpart B Averaging Period: 1 hr

Type: Block Avg

Period Start:	Average C1_SO2MM #/Btu	Average C2_SO2MM #/Btu	Average C3_SO2MM #/Btu	Average C4_SO2MM #/Btu	Average C5_S02MM #/Btu	Average C15_SO2MM #mmBtu
02/24/2007 00:00	0.43	0.29	0.42	0.42	0.47	0.41
02/24/2007 01:00	0.58	0.30	0.62	0.40	0.50	0.48
02/24/2007 02:00	0.46	0.29	0.41	0.37	0.40	0.39
02/24/2007 03:00	0.40	0.29	0.38	0.38	0.46	0.39
02/24/2007 04:00	0.28	0.30	0.39	0.39	0.41	0.36
02/24/2007 05:00	0.36	0.30	0.44	0.38	0.39	0.39
02/24/2007 06:00	0.41	0.30	0.41	0.42	0.49	0.41
02/24/2007 07:00	0.32	0.29	0.42	0.43	0.41	0.38
02/24/2007 08:00	0.47	0.28	0.45	0.45	0.42	0.42
02/24/2007 09:00	0.29	0.27	0.43	0.44	0.46	0.42
02/24/2007 10:00	0.17	0.26	0.44	0.43	0.56	0.40
02/24/2007 11:00	0.23	0.26	0.48	0.43	0.73	0.45
02/24/2007 12:00	0.59	0.26	0.39	0.42	0.67	0.47
02/24/2007 13:00	0.34	0.26	0.32	0.41	0.46	0.37
02/24/2007 14:00	0.34	0.25	0.29	0.40	0.48	0.37
02/24/2007 15:00	0.34	0.25	0.28	0.38	0.54	0.37
02/24/2007 16:00	0.31	0.25	0.28	0.38	0.45	0.34
02/24/2007 17:00	0.30	0.24	0.31	0.37	0.48	0.35
02/24/2007 18:00	0.32	0.24	0.35	0.37	0.45	0.35
02/24/2007 19:00	0.32	0.24	0.34	0.37	0.43	0.35
02/24/2007 20:00	0.30	0.25	0.37	0.37	0.43	0.35
02/24/2007 21:00	0.35	0.24	0.39	0.34	0.42	0.36
02/24/2007 22:00	0.34	0.24	0.38	0.33	0.42	0.35
02/24/2007 23:00	0.35	0.25	0.37	0.31	0.41	0.34
Daily Average*	0.36	0.27	0.39	0.39	0.47	0.39
Maximum*	0.59	0.30	0.62	0.45	0.73	0.48
	02/24/2007	02/24/2007	02/24/2007	02/24/2007	02/24/2007	02/24/2007
	12:00	6:00	1:00	8:00	11:00	1:00
Minimum*	0.17	0.24	0.28	0.31	0.39	0.34
	02/24/2007	02/24/2007	02/24/2007	02/24/2007	02/24/2007	02/24/2007
	10:00	22:00	16:00	23:00	5:00	23:00
						~3.00

^{*} Does not include Invalid Averaging Periods ("N/A")

Potomac River Ambient Monitor Data February 22, 2007

Maximum	Average	2/22/2007 23:00	2/22/2007 22:00	2/22/2007 21:00	2/22/2007 20:00	2/22/2007 19:00	2/22/2007 18:00	2/22/2007 17:00	2/22/2007 16:00	2/22/2007 15:00	2/22/2007 14:00	2/22/2007 13:00	2/22/2007 12:00	2/22/2007 11:00	2/22/2007 10:00		2/22/2007 8:00	2/22/2007 7:00	2/22/2007 6:00	2/22/2007 5:00	2/22/2007 4:00	2/22/2007 3:00	2/22/2007 2:00	2/22/2007 1:00	2/22/2007 0:00		ZERO OFFSET	CHAN UNITS	CHAN NAME		
881.6	231.8	469	254.1	315.7	376	398.2	374.7	881.6	691.7	842.3	761.1	28.8	15.7	17	17	13.1	11.8	10.5	10.5	11.8	11.8	13.1	10.5	<u>ئ</u> د	14.4	11		ug/m3		00	2
69	67 66	66	66	66	67	67	69	69	69	69	69	68	69	69	69	67	66	66	66	66	6 6	67	67	67	٠.			DEGF	-	<u>"</u> &	1 (188)
39.3	15.9	9	7.3	ÇT (C	φ.	9	7.8	10.5	<u>ئ</u> نى:	17	16.3	39.3	29.3	18.3	15.8	19	18.8	21	17.8	16	<u></u>	<u>.</u>	1 = 7	1 0	16		400	UG/M3	PM2.5		
5.2 175.5	51.2	145.4	123.1	68.1	70.7	123.1	20.0	175.5	134.0	100 0	79.1	10.5	23.6	9.2	7.9	י ת מ	5.2	6.5 6.5	52	o :	79	70	7.9	7.0	0 77			ug/m3	- 1	NORTH	
72.4 75.1	73.3	72.5	797	72.0	72 8	73	73.2	72.7	7.4	74.5	74.5	74.8	75.1	747	73.7	72 8	727	724	72.7	72.7	72.9	72.9	73	13	77	32	212	DEGF	ROOM T	EAST	
2.6 28.8	12.0	7.2	٦ ن ن د	0 C	0.0 2.0) N	2.0	o c	7.0	20.0	3 P	2 5	CV-0	28.0) - 0 -	13.0	1	0 .t 7 .t	1, <u>7</u>	1 7 <u>1</u>	15.7	14.4	22.3	26.2	- 11		2620	[CNTBI	MARI	
3.9 49.8	14.5	1 1 1 1 1 1	, ,	7 (J	ა <u>ა</u>	ى د د	0 0	7.9	13.1	9.7	7 A	2 6	0.64	ر د د د) - -	17.	3	3	4.4	10./	17	17	19.6	22.3		0	2620	ua/m3		NA TOWE	
82.9 91.1	89.0	91.1	91.1		91.1	91	90.8	90.4	89.7	87.9	88.1	9 00	85.8	20 4 U	83.2	82.9	ი დ ა.ა	89.8	90	90.1	90.2	90.2	90.3	90.3		32	212			RS	
3.9	12.6	7.9	6.5	5.2	3.9	3.9	3.9	6.5	13.1	7.9	10.5	14.4	CAL	CAL	18.3	17	15.7	17	18.3	17	18.3	19.6	21	21		0.0	2620	SO2 R		SOUTH V	
77.3 82.9	80 x	77.3	77.5	78	78.7	79.2	79.2	79.7	80.2	79.3	79.5	80.1	81.5	81	81.7	81.8	81.8	82	82.1	82.3	82.4	82.5	82.7	820		3, 2	242	POOMT		TH WEST	
3.9 21	10.5	7.9	5.2	5.2	သ 9.9	3.9	5.2	7.9	14.4	7.9	11.8	1.8	21	19.6	15.7	11.8	11.8	9.2	11.8	11.8	13.1	10.5	11.0	10 1		0202	ug/m3	SO2 F	=======================================	NOR	
3.9 69.5 21 76.6	69.5	70	70	70.3	70.5	71.3	72.3	74 6	76 A	76.1	73.5	74 1	73.4	71.7	70.3	70.1	69.9	70	70	70 1	70.7	70 70 1	7.0		32	212	DEGF	T MOOS			

Potomac River Ambient Monitor Data February 23, 2007

Minimum Maximum	2/23/2007 20:00 2/23/2007 21:00 2/23/2007 22:00 2/23/2007 23:00	2/23/2007 15:00 2/23/2007 16:00 2/23/2007 17:00 2/23/2007 18:00 2/23/2007 19:00	11111111	======================================	CHAN NAME CHAN UNITS FULL SCALE ZERO OFFSET
79.9 770.3	182.1 210.9 79.9 93	319.6 323.6 336.7 334.1 310.5 207	423.1 319.6 631.4 770.3 708.7 551.5 712.6 500.4		SO2 Ug/m3 2620
66 70 1	65 65 65 65	70 70 70 66	65 65 65 67 68 70	# # # # # # # # # # # # # # # # # # #	ROOM T PM2.5 DEGF UG/M3
7.6 4.8 2.5	5.5 5.5 5.5	5.88 5.88 5.88	7.8 9.5 7.8 12.5 6.5 8	9.88 6.33 6.33	2.5 10 10 10 10 10 10 10 10 10 10 10 10 10
24.1 5.2 94.3	6.5 7.9 10.5 10.5	18.3 11.8 13.1 5.2 5.2	14.4 15.7 21 39.3 31.4 28.8 32.8 30.1	31.4 31.4 9.2 41.9 94.3 94.3 34.1	NORTH E SO2 R ug/m3 2620
71.8 71.1 73.0	77.2	71.9 71.8 71.7 71.7 71.7	71.4 71.3 71.5 72.1 72.8 72.8 72.6	32 72.1 71.9 71.8 71.6 71.6	EAST ROOM T DEGF 212
12.2 2.6 28.8	5.2 7.9 10.5	15.7 10.5 3.9 5.2	9.2 9.2 13.1 18.3 23.6 27.5 27.5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MARII
14.0 5.2 31.4	10.5 10.5 10.5	13.3 13.3 15.5 15.5	10.5 14.4 14.4 21 26.2 28.8 30.1 30.1	0 6.5 7.9 7.9 5.2 7.9	NA TOWER
89.4 89.4 90.1	89.6 89.7 89.5 89.4	89.1 89.2 89.3 89.5 89.6	89.3 89.1 89.2 89.2 89.1 89.1	32 90.1 89.8 89.8 89.8 89.9 89.7	RS ROOM T DEGF
			9.2 11.8 21 23.6 30.1 30.1 31.4 30.1	6.5 6.5 6.5 9.2	SO2 ROOM T
77.1 76.4 75.7 77.4	76.5 76.4 76.4 76.4	75.8 76.5 76.5 76.5 76.4	76.6 76.6 76.2 76.2 75.9 75.7	212 32 32 76.7 77.4 76.9 76.5 76.1	EST DOM T
11.8 14.1 6.5 31.4	10.55 70.55	31.4 18.3 14.4 13.1 7.9	7.9 10.5 13.1 19.6 26.2 27.5 30.4	2620 0 ======= 6.5 7.9 7.9 6.5	NOR SO2 I
67.7 69.5 67.7 72.3	68.8 68.4 68.1	71.4 72.3 71.2 71.2	68.4 68.2 68.1 68.8 69.5 70.6	212 32 69.3 69.3 68.9 68.7	ROOM T

Potomac River Ambient Monitor Data February 24, 2007

Minimum Maximum	2/24/2007 23:00 2/24/2007 23:00	2/24/2007 21:00	2/24/2007 19:00	2/24/2007 18:00	2/24/2007 16:00 2/24/2007 17:00	2/24/2007 15:00	2/24/2007 14:00	2/24/2007 12:00	2/24/2007 11:00	2/24/2007 10:00	2/24/2007 9:00	2/24/2007 7:00	2/24/2007 6:00	2/24/2007 5:00	2/24/2007 4:00	2/24/2007 2:00	2/24/2007 1:00	2/24/2007 0:00	2ERO OFFSET	FULL SCALE	CHAN UNITS	
80.6 9.2 188.6	9.2 17	22.3	22.3 27.5	10.5	13.1 15.7	21	43.2	89.1	93	138.9	1550	123.1	107.4	149.3	188.6	103.5	69.4	111.4	0	2620	SO2 F	
66 70	66 66	66	67 66	68	70 70	69	<u> </u>	69	67	ე 1	n o	63	දු ද	ე 2	6 3	64	ი 4	64	32	212	OOM T	SOUTH EAST
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18.0 3.9 39.3	3.9 5.2	21	22.3	11.8	9.2	7.9	19.6	18.3	183	36.7 26.7	38	39.3	78.8 28.8	1 1 1 2 . 8	10.5	10.5	1 .0	140	0	ug/m.s 2620	S02	NORTH
71.7 70.4 73.0	72.6 72.2	72.1 72.1	72.2	72.3 72.1	72.3	72.3	72.4	72.8	73	71.8	71	70.4	70.4 70.4	70.6	70.6	70.8	70.9		32	212 212	ROOM T	EAST
20.9 9.2 44.5	11.8 22.3	2 2 2 2	28.8	14.4 14.4	10.5	14.4 0.2	. 21	21	28.8	38	39.3	32.0 44.5	33 n	11.8	<u>11</u> .6	14.4 11.8	11.8		0202	ug/m3	CNTRL	MAR
21.6 7.9 47.2	14.4	38. 1	26.2	14.4 13.1	9.2	13.1	22.3	2 5	32.8	40.6	43.2	35.4 47.2	18.3	13.1		14.4	11.8		0	ug/m3	SOUTH	INA TOWE
87.7 86.7 89.2	000.3 73.3	88 3 3	88.3	87.6 87.0	87.4 87.4	87.2	86.9	86.7 86.8	86.9	87	87.1	87.4 87.2	87.9	88.2	88 0 3 4	88.7	89.2		37	DEGF	ROOM T	RS
23.2 10.5 49.8	14.4 14.4	30.1	15./ 28.8	15.7	10.5 14.4	11.8	21	24 0	27.5	40.6	49.0 43.0	43.2	23.6	14.4	14.4	17	14.4	## C	2620	ug/m3	SO2	SOUTH
79.3 2 76.6 5 74.8 8 79.3	78.3 78.3	78.3	78.3 78.3	78.3	77.7 78.1	77.2	76.6	75.6 75.6	75.1	74.0 74.8	/5.1 74.0	75.3 75.3	75.3	75.3	75.4 75.3	75.7	76.1	32	212	DEGF	BOOM T	WEST
19.6 21.4 9.2 41.9	27.5 14.4	28.8	11.8 28.8	14.4	9.2	13.1	22.3 6	23.6	32.8	40.6 30.3	41.9	34.1	17	1 1 . 8 1 . 8	11.8	- 	11 8	0	2620	ua/m3		NO
68.9 69.2 66.4 72.8																	1	32	212	T WOOM		RTH

February 22, 2007 Potomac River Meteorological Data

Legend: WDRv = Wind Direction, WDRs = Wind Direction	Maximum	Minimum	2/22/2007 23:00 Average	2/22/2007 22:00	2/22/2007 21:00	2/22/2007 20:00	2/22/2007 18:00		2/22/2007 16:00		•	2/22/2007 13:00	2/22/2007 12:00	2/22/2007 11:00	2/22/2007 10:00	2/22/2007 9:00	2/22/2007 8:00	2/22/2007 7:00	2/22/2007 6:00	2/22/2007 5:00	2/22/2007 4:00	2/22/2007 3:00		2/22/2007 1:00	2/22/2007 0.00	ZERO OFFSET	CHAN UNITS	CHAN NAME
Direction, vector	322	132	291	291	298	316 333	298	301	296	298	298	281	247	176	154	164	159	177	156	163	157	153	177	160		540		
7	322	131	291	289	322 298	316 336	298	301	295	298 298	296	277	242	174	154	164	159	177	156	161	156	153	179	131	=======================================	540	DEG MPH	11
	26.5	<u>,</u>	26.5	21.4	16.8 3	18.2	18.1	24.3	26 26	23.0	10.7	∞ i	% c		7.5	4.5	A (ယ (လ (ယ <u>(</u>	ب و و	ა - თ -	ມ ນ	2.5	1.9	0	100	SV WSs	;; ;;
. D	26.8	3 2 2	26.8	21.7	19.1 16.6	18.7	18	24.6	26.1	20.2	ა ი ი ა ი	o (c n	2.	7.0	7 20	n K	ر د د د	ა (ນ ເ 0 -	ა : •	2 C 7 K	ა	3 <u>2</u> 2 • 80	3.2	0	100	s TMP2r	
DT2M = Temperature Difference,	55 3													43	47	: : 2	2	30	ა აყ ი	ပ္သ	ည မ	200	6	41	-22	122	2m DT2M	
mperature	-0.9 1.6		0.4	0.4	0.4	0.4	0.0	o c.	0.1	0.1	0.ω	0	-0.8	-0.9	-0.2	0.6	0.6) -) K	0.8	0.6	0.9	0.9	1.6	<u>1</u> ယ	-5 -	15 15	₹<	
Difference	-0.1 2 34		1.5	; <u></u>	i	<u>.</u>	·	איז	1.7	_ _		0.1 1					-0.1 2	0	0	0	0	-0.1	00	0	12.5		SDv	
e, 2 to 10 meters	Ω Ω1																							11	0	DEG	SDs	l
neters	5.1 0 32.5 2																							11	0)	WS	!
	‰ <u> </u>	<u> - </u>	2.4	· 0		نَــٰ	Ċī	φ.	ο i	Š č	ى ز د	י ני	- ر - در	7	7	<u> </u>) i	٠ ا) i	٠ :	_ ; ;	ມ :	→ i\)	0)		

WSs = Wind Speed, scalar

SDv = Standard Deviation of wind direction, vector

VWS = Vertical Wind Speed

DT2M = Temperature Difference, 2 to 10 meters

SDs = Standard Deviation of wind direction, scalar

SW = Sigma W, standard deviation of vertical wind speed

WDRs = Wind Direction, scalar WSv = Wind Speed, vector

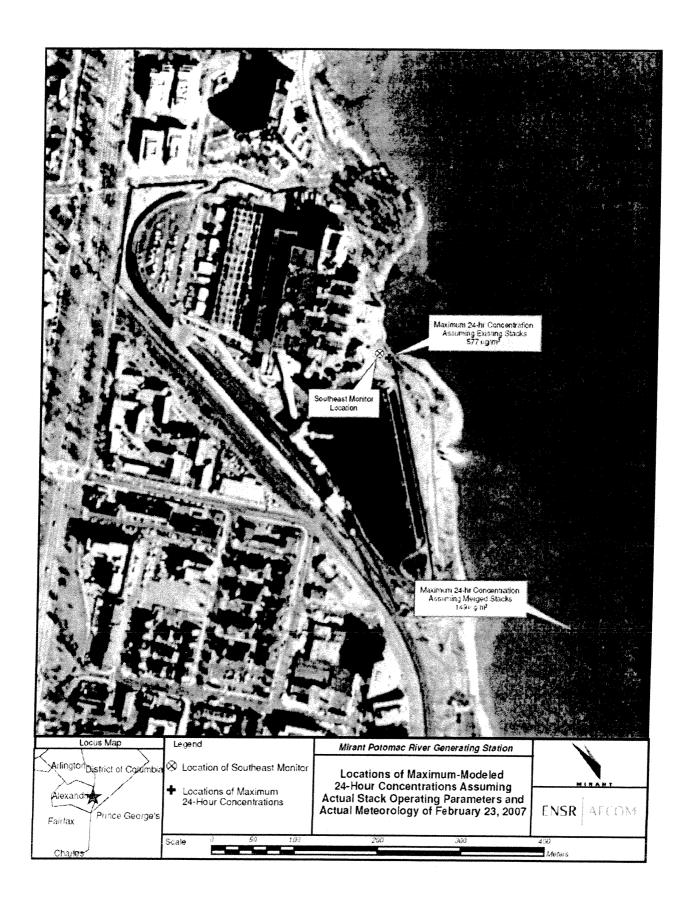
TMP2m = Ambient Temp, 2 meter elevation

Potomac River Meteorological Data February 23, 2007

Minimum Maximum	Average	2/23/2007 23:00	2/23/2007 22:00	2/23/2007 21:00	2/23/2007 20:00	2/23/2007 19:00	2/23/2007 18:00	2/23/2007 17:00	2/23/2007 16:00	2/23/2007 15:00	2/23/2007 14:00	2/23/2007 13:00	2/23/2007 12:00	2/23/2007 11:00	2/23/2007 10:00	2/23/2007 9:00	2/23/2007 8:00	2/23/2007 7:00	2/23/2007 6:00	2/23/2007 5:00	2/23/2007 4:00	2/23/2007 3:00	2/23/2007 2:00	2/23/2007 1:00	2/23/2007 0:00	ZERO OFFSET		CHAN LINITS	1
294 316	304	297	294	298	296	301	305	305	308	311	311	312	308	306	305	303	311	316	308	303	301	299	301	305	302	0	540	WDRV	
294 316	304	205	294	298	296	301	305	305	308	311	311	312	308	306	305	303	312	316	309	302	301	299	301	305	302	0	טבט 540	WDRs	
10.3 23.7	17	1 . n :	10.2	10 1	124	એ i	14.2	14.2	15.6	14.4	14:3	16.1	198	196	1 1 0 i	23.2	18 G	150	16.3	20.9	18 6	23	19.7	13.6	22.7	0	₹ 100	WSv	
10.5 24	17		7	1010	1 3 7	13 : 13 :	14 3 3 3	14 c	16.0	14 20	15	16.6)) 1	100	10	ა უ (10.0	1 20 -	17	21 c	180	22.0	īć	14	2	0	MPH 100	WSs	
39 39	3/2	3 2	ر ا	ی د ۲ د	သ င္ ၁ န	ب د	بار در	3 C	ມູດ	ລຸດ	ي د د	ر 1 کو	3 C	3 6	ა <u>ი</u>	ن د د	3 C	ა <i>ც</i>	ب د د	ب د د	ა <u>ც</u>	3 C	<u>ن</u> 0 ت	3 X		-22		TMP2m [
0.5 0.3	0.3	0.3	0.3	ر د د) i	o c	၁ <u>-</u>	o ċ	ئ د 4 د	o ċ	- - - - -	o - c-	ر د د د د	o	0.1		0.6	ο c.	۰ د د	ວິດ	۰ د	0.0	0.3	0.3		- 5-5			
1.3 1.3	0.4	0.3	0.5	0.5	0.0	0.5	0.0	0.7	0.7	ب ب ب	· ·	0.8	0.8	0.8	0.9	1.2	· ·	0.8	0.9) <u>1</u>	. <u></u> . ω	. <u></u>	0.6			-12.5	MPH	/WS	
12 7.8 19.6	7.9	8.9	8.3	7.8	8.6	8.7	12.5	16.9	13	18.6	18	11.5	11.9	12.7	7.8	12.7	19.6	16.3	8.9	8.9	7.8	9.8	16.3	8.6		99.9 0	DEG I	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	
12 7.8 20.1	7.9	8.9	œ ယ	7.8	8.6	8.8	12.7	17.2	13.1	18.6	18.6	11.4	12	13.2	7.8	12.6	20.1	16.4	8.9	8.9	7.8	9.8	16.1	8.4		99.9 0	DEG	:: :: ::	
1.1 2.6	1.2	<u>.</u> .	1.4	1.4	1.4	1.7	1.9	2.2	2	2.1	2.4	2.4	2.3	2.3	2.5	2.5	2.5	2.2	2.4	2.3	2.6	2.5	1.6			70	%FR		

Potomac River Meteorological Data February 24, 2007

Average Minimum Maximum	2/24/2007 0:00 2/24/2007 1:00 2/24/2007 2:00 2/24/2007 3:00 2/24/2007 5:00 2/24/2007 6:00 2/24/2007 6:00 2/24/2007 7:00 2/24/2007 10:00 2/24/2007 11:00 2/24/2007 15:00 2/24/2007 15:00 2/24/2007 16:00 2/24/2007 16:00 2/24/2007 18:00 2/24/2007 18:00 2/24/2007 18:00 2/24/2007 19:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00 2/24/2007 20:00	CHAN NAME CHAN UNITS FULL SCALE ZERO OFFSET
286 127 308	296 296 299 301 299 302 302 301 301 300 304 303 299 301 307 304 299 304 299 291 291 295 295 277	WDRv V DEG [
286 131 308	296 295 299 301 298 301 301 300 302 301 303 303 303 299 307 307 307 307 307 307 299 299 289 289 289	WDRs VDEG N
9 0.6 14.7	9.8 9.8 11.6 14.7 12.9 11.2 12.8 10.7 9.2 7.9 6.8 6.8 6.8 6.8 1.8	WSv V MPH N
2.6 14.9	9.9 9.9 11.7 14.4 14.9 11.3 11.3 10.6 10.9 9.5 8.7 7.4 6.8 6.8 5.4 2.6	WSs 7
42 23 33 42 33	29 27 27 27 27 28 30 30 31 41 41 41 41 41 41 41 41 41 41 41 41 41	TMP2m [DEGF [122 -22
-0.6 1.4	0.3 0.3 0.3 0.2 0.2 0.2 0.2 0.1 0.1 0.1 0.1 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	DT2M \ DEGF N
0.8	0.4 0.3 0.5 0.5 0.6 0.6 0.3 0.4 0.4 0.6 0.6 0.6 0.7 0.7 0.7	WWS 12.5
30 19 6.6 62.1	10.1 8.6 8.9 8.1 7.7 10.1 12.2 24.7 11.6 36.2 41.9 12.7 6.6 9.4	SDv (SDV)
29.6 19 6.6 62.6	10.1 8.6 8.9 7.9 7.7 8.9 9.4 11.6 36.8 44.8 113.3 34.7 41.5 6.6 9.4 13.7 23.5	======= SDs DEG 99.9
0.1 0.1 1.6	1.1 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	======= SW %FR 100



Attachment A5



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY NORTHERN VIRGINIA REGIONAL OFFICE 13901 Crown Court, Woodbridge, Virginia 22193 (703) 583-3800 Fax (703) 583-3801 Secretary of Natural Resources

www.deq.virginia.gov

David K. Paylor Director

Jeffery A. Steers Regional Director

March 23, 2007

CERTIFIED MAIL Return Receipt Requested

Mr. Michael Stumpf Group Leader-Plant Operations Mirant Potomac River Generating Station 1400 North Royal Street Alexandria, Virginia 22314

NOTICE OF VIOLATION

Mirant Potomac River Generating Station, Facility Registration No. 70228 RE:

Dear Mr. Stumpf:

L. Preston Bryant, Jr.

This letter notifies you of information upon which the Department of Environmental Quality ("Department" or "DEQ") may rely in order to institute an administrative or judicial enforcement action. Based on this information, DEQ has reason to believe that the Mirant Potomac Power Generating Station may be in violation of the Air Pollution Control Law and Regulations.

This letter addresses conditions at the facility named above, and also cites compliance requirements of the Air Pollution Control Law and Regulations. Pursuant to Va. Code § 10.1-1309 (A) (vi), this letter is not a case decision under the Virginia Administrative Process Act, Va. Code § 2.2-4000 et seq. The Department requests that you respond within 10 days of the date of this letter.

OBSERVATIONS AND LEGAL REQUIREMENTS

On February 27, 2007, the Virginia Department of Environmental Quality (DEQ), Northern Virginia Regional Office (NVRO) requested information regarding operation of the Mirant Potomac River Generating Station (plant) and the reported February 23, 2007, monitored exceedance of the National Ambient Air Quality Standard (NAAQS) for sulfur oxides (24-hour

standard) at the plant's southeast fence-line ambient sulfur dioxide (SO₂) monitor. Subsequent to that request, on March 14, 2007, DEQ staff conducted an on-site interview with plant staff at the facility in Alexandria, Virginia to discuss: 1) the plant's general operating procedures when not operating under U.S. Department of Energy (DOE) order; 2) the plant's standard operating procedures in preparation for, and for the duration of, line outage situations; and 3) specific DEQ questions pertaining to the aforementioned February 23, 2007, incident. The following describe information obtained and provided to DEQ staff and identify the applicable legal requirements.

1. Observations: On February 23, 2007, the plant's southeast perimeter ambient air monitor recorded an exceedance of the 24-hour SO₂ NAAQS.

Legal Requirements: Virginia Regulations to Control and Abate Air Pollution 9 VAC 5-30-30.A.2 states that the primary ambient air quality standards for Sulfur oxides (sulfur dioxide) are as follows: 365 micrograms per cubic meter (.014 parts per million) – maximum 24-hour concentration not to be exceeded more than once per calendar year. The 24-hr averages shall be determined from successive nonoverlapping 24-hr blocks starting at midnight each calendar day.

- 2. Observations: On February 23, 2007, the plant was operating under direction of PJM in accordance with DOE Order 202-05-03, to ensure reliability of electric generation into central Washington D.C. during a scheduled line outage. Plant officials and operators were aware of the following critical factors prior to February 23, 2007, but apparently did not authorize and implement appropriate actions to minimize SO₂ emissions, subsequently causing or significantly contributing to the February 23, 2007, exceedance of the 24-hour SO₂ NAAQS:
 - a. Predictive modeling indicated an exceedance of the SO₂ 24-hour NAAQS on February 23, 2007, while factoring in maximum Trona injection to control emissions from each unit at 0.24 pounds of SO₂ per million British thermal units (lbs/MMBTU) in the model
 - b. Knowledge that the current Trona injection systems could not sustain a 0.24 lbs/MMBTU SO₂ emission rate for an extended period of time.
 - c. Trona injection problems existed on Unit 1, consequently and significantly reducing its effectiveness to control SO_2 emissions from that unit.
 - d. An alarm signaled the plant's control room at approximately 10 p.m. on February 22, 2007, to report that SO₂ emissions at the southeast perimeter ambient air monitor were at 80% of the NAAQS.

Legal Requirements: Virginia Regulations to Control and Abate Air Pollution 9 VAC 5-40-20. E states that "At all times, including periods of startup, shutdown, soot blowing and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source."

- 3. Observations: The plant's Group Leader of Operations informed DEQ staff during the March 14, 2007, interview, that plant operators are responsible for making decisions regarding the operation of the five units during line outage situations; and that operators understand that matching load demand is a priority, with minimizing SO₂ emissions at their discretion; however, the plant did not have the following to assure air quality, operator consistency, and facility awareness:
 - a. Written procedures, protocol, and/or policy to operate while minimizing emissions from the plant when operating under a line outage situation to the extent practicable, and
 - b. Training records of operators regarding the operation of the plant under DOE Order to minimize emissions.

Legal Requirements: Virginia Regulations to Control and Abate Air Pollution 9 VAC 5-40-20. E states that "At all times, including periods of startup, shutdown, soot blowing and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source."

ENFORCEMENT AUTHORITY

Va. Code § 10.1-1316 of the Air Pollution Control Law provides for an injunction for any violation of the Air Pollution Control Law, the Air Board regulations, an order, or permit condition, and provides for a civil penalty up to \$32,500 per day of each violation of the Air Pollution Control Law, regulation, order, or permit condition. In addition, Va. Code §§ 10.1-1307 and 10.1-1309 authorizes the Air Pollution Control Board to issue orders to any person to comply with the Air Pollution Control Law and regulations, including the imposition of a civil penalty for violations of up to \$100,000. Also, Va. Code § 10.1-1186 authorizes the Director of DEQ to issue special orders to any person to comply with the Air Pollution Control Law and regulations, and to impose a civil penalty of not more than \$10,000. Va. Code §§ 10.1-1320 and 10.1-1309.1 provide for other additional penalties.

The Court has the inherent authority to enforce its injunction, and is authorized to award the Commonwealth its attorneys' fees and costs.

FUTURE ACTIONS

DEQ staff wishes to discuss all aspects of their observations with you, including any actions needed to ensure compliance with state law and regulations, any relevant or related measures you plan to take or have taken, and a schedule, as needed, for further activities. In addition, please advise us if you dispute any of the observations recited herein or if there is other information of which DEQ should be aware. In order to avoid adversarial enforcement proceedings, Mirant Potomac River Generating Station may be asked to enter into a Consent

Order with the Department to formalize a plan and schedule of corrective action and to settle any outstanding issues regarding this matter, including the assessment of civil charges.

In the event that discussions with staff do not lead to a satisfactory conclusion concerning the contents of this letter, you may elect to participate in DEQ's Process for Early Dispute Resolution. If you complete the Process for Early Dispute Resolution and are not satisfied with the resolution, you may request in writing that DEQ take all necessary steps to issue a case decision where appropriate. For further information on the Process for Early Dispute Resolution, please visit the Department's website under "Laws & Regulations" and "DEQ regulations" at: http://www.deq.virginia.gov/regulations/pdf/Process for Early Dispute Resolution 8260532.p

Please contact me at (703) 583-3810 or <u>jasteers@deq.virginia.gov</u> within 10 days of the date of this letter to discuss this matter and arrange a meeting.

Sincerely,

Jeffery A. Steers Regional Director